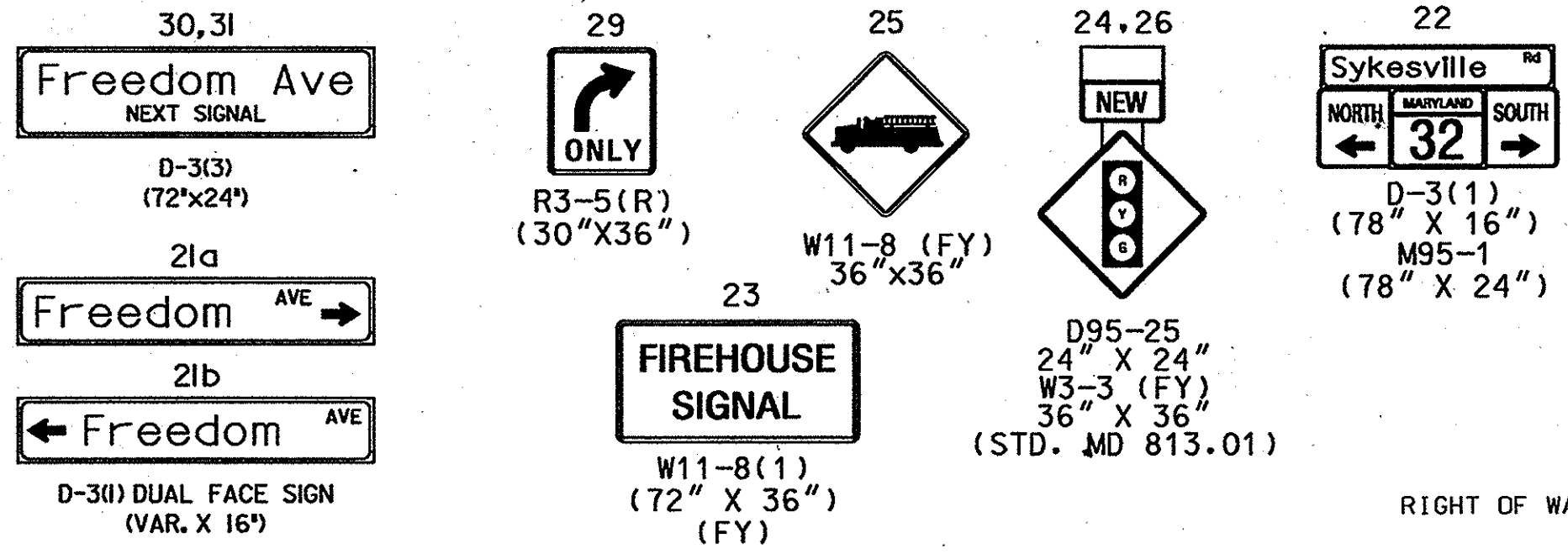
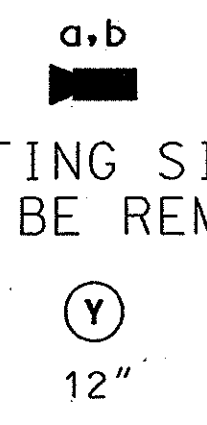


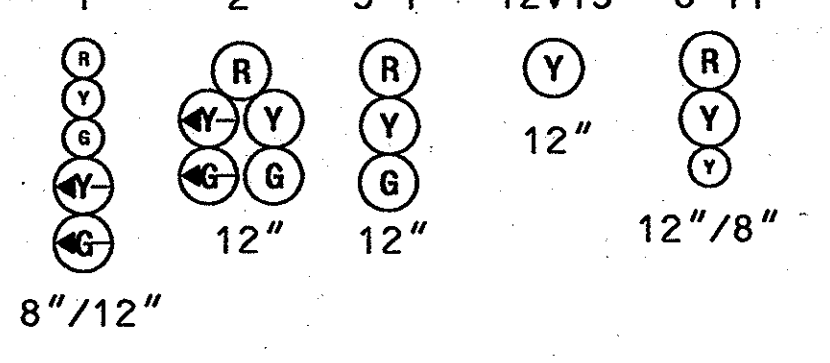
PROPOSED SIGNS



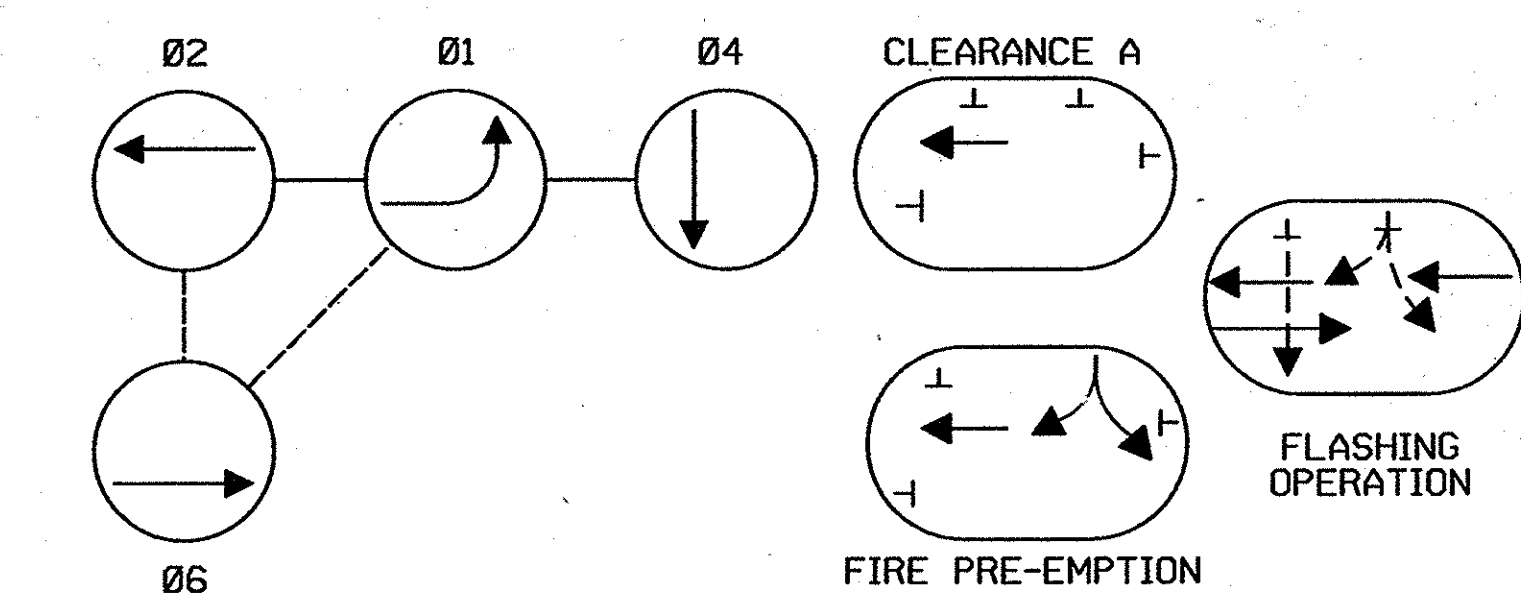
PROPOSED VIDEO DETECTION CAMERAS



PROPOSED L.E.D. SIGNALS

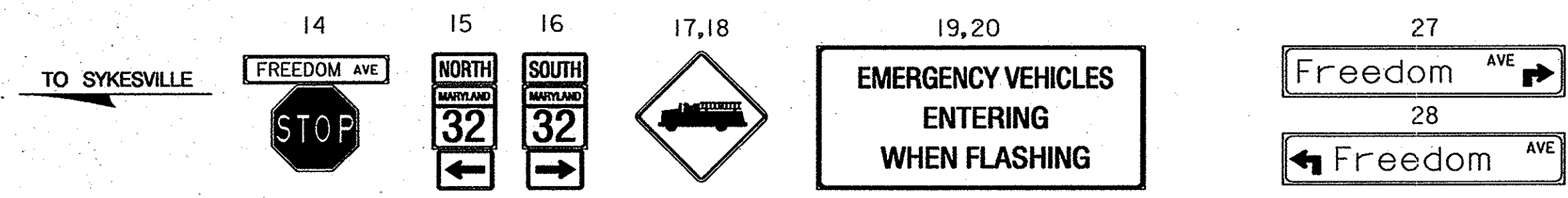


NEMA PHASING

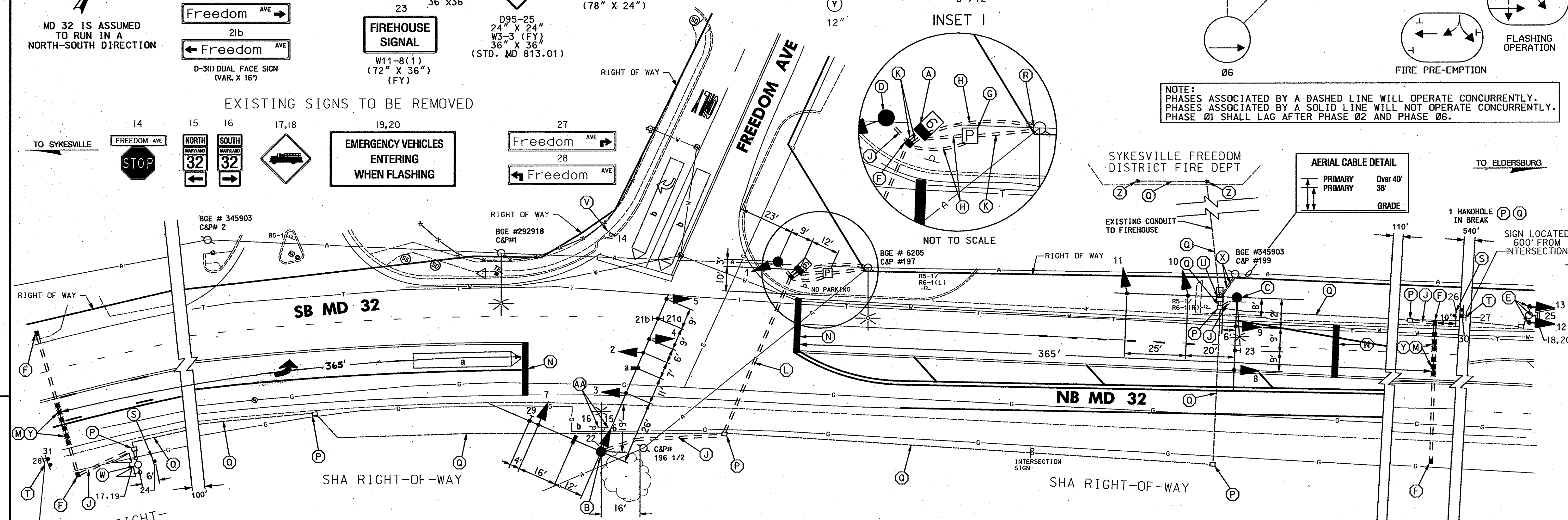


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY. PHASE 01 SHALL LAG AFTER PHASE 02 AND PHASE 06.

EXISTING SIGNS TO BE REMOVED



MD 32 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



CONSTRUCTION DETAILS

- A. INSTALL NEMA SIZE 6 BASE MOUNT CABINET AND CONTROLLER. (NOTE: INSTALL 2 - 2" AND 2 - 4" PVC CONDUIT BENDS).
- B. INSTALL 27 FT. MAST ARM POLE WITH 70' & 50' MAST ARMS, VIDEO DETECTION CAMERAS, 20' STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCCELL, LED SIGNAL HEADS AND SIGNS. (NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE).
- C. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50' MAST ARMS (USE ONLY BUTT SECTION OF THE MAST ARM OVER SB MD 32), 20' STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCCELL, LED SIGNAL HEADS AND SIGNS. (NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE).
- D. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH LED SIGNAL HEAD SECTION AS SHOWN. (NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE).
- E. REMOVE EXISTING PEDESTAL POLE MOUNTED W96-7(1) AND W11-8 SIGNS AND REPLACE WITH NEW FY W11-8 SIGN (ENSURE 7' VERTICAL CLEARANCE BETWEEN BOTTOM OF SIGN AND GRADE). REPLACE EXISTING SIGNAL HEADS WITH NEW 12" YELLOW LED SIGNAL HEADS.
- F. INSTALL ELECTRICAL HANDHOLE.
- G. INSTALL METERED SERVICE PEDESTAL - EMBEDDED.
- H. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- J. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- M. INSTALL NON-INVASIVE MICRO-LOOP PROBE SET.
- N. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING. (SEE PAVEMENT MARKING PLAN FOR INSTALLATION DETAILS AND DIMENSIONS).

CONSTRUCTION DETAILS CONT'D

- P. USE EXISTING HANDHOLE.
- Q. USE EXISTING CONDUIT.
- R. STUB CONDUITS AT POLE BASE. BGE & VERIZON TO MAKE FINAL CONNECTIONS.
- S. INSTALL 4"x4" WOOD SUPPORT WITH W3-3 AND D95-25 SIGNS.
- T. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORTS. INSTALL 2 DRILLED 4"x6" WOOD SUPPORTS WITH D-3(3) SIGN IN LOCATION OF EXISTING SIGN.
- U. USE EXISTING CABINET; REMOVE EXISTING METER, DISCONNECT CONTROLLER AND ASSOCIATED EQUIPMENT. CABINET SHALL BE USED ONLY FOR SPLICING NEW SIGNAL CABLES INTO EXISTING SIGNAL CABLES (FOR THE EXISTING HIB ALONG SB MD 32).
- V. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT AND RETURN EXISTING STREET NAME SIGNS TO THE CARROLL COUNTY BUREAU OF ROAD OPERATIONS. MR. BRUCE LOCKARD CAN BE CONTACT AT 410-386-6717.
- W. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED EQUIPMENT, AND REMOVE FOUNDATION TO 1' BELOW FINAL GRADE.
- X. MAKE SAFE EXISTING POWER FEED AND CAP AND ABANDON EXISTING TELEPHONE AND ELECTRICAL SERVICE CONDUITS. BGE TO DISCONNECT EXISTING SERVICE.
- Y. INSTALL 3" PVC SCHEDULE 80 CARRIER PIPE - BORED.
- Z. REPLACE EXISTING FIREHOUSE PUSHBUTTON.
- AA. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.

SPECIAL NOTE

SEE PAVEMENT MARKING PLAN (SHEET 2) FOR PAVEMENT MARKING INSTALLATION/REMOVAL DETAILS AND DIMENSIONS.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

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APPROVALS	REVISIONS
<i>[Signature]</i> 4/5/07	
<i>[Signature]</i> 4/6/07	
<i>[Signature]</i> 4/6/07	
<i>[Signature]</i> 4/6/07	

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 32 (SYKESVILLE RD) AT FREEDOM AVE SYKESVILLE, MARYLAND	
TRAFFIC SIGNAL PLAN	
SCALE 1" = 20'	DATE MARCH 2007 CONTRACT NO. AT7835185
DESIGNED BY TC/MRB	COUNTY CARROLL
DRAWN BY TC/MRB	LOGMILE 06003202J8
CHECKED BY D. EBY	TIMS NO. H985
FAP NO.	TOD NO.
TS NO. 4553	DRAWING - OF SHEET NO. 1 OF 3